Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

AEE, YSTSD

No. **2nd & Part bill**

YNK-DBR No.....
Date.....

(For Other Works)

SBR No: 16/21-22
Date: 27/4/2021

Division: Yelahanka
Bill Received No..... Dated..... Cash Book Voucher No..... dated.....
Scheduled Docket No.....

Sub Division: Yelahanka Satellite Town

Name of Work: Asphalting to roads at Chowdappa layout, Maruthi Layout, Hillside Medows and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division.

Job Code No: 003-20-000077

Est. cost: 200.00 lakhs

Name of Contractor and Full Address : M/s KRIDL, Bangalore.

Work Order No: **BBMP/EE/YNK.D/W.O/ 194 /2019-20**

Dated : 10-11-2019

Certified that the measurements were taken by me on 12.2.2021 and recorded in pages 493229 to 493230 of measurement Book No 4933/2020-21 and that the work is satisfactorily executed.

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Contractor

Officer-in-charge of work 12/2/2021.

Certified that the measurements were taken by me on 12/02/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Total- 1.27.66.224 ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ. 12/2/2021

Sub-Division Officer

If Memorandum of Payment

Previous payment SB 706 ಬಿಲ್ಲು ಸಂಖ್ಯೆ:- 10F

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being ..... percent Rs .....
3) Deduct amount to be held in Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No ..... Dated ..... S D No .....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No ..... date ..... less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Governm... materials supplied

Gross Amt =Rs	74,95,550-00
FSD =Rs	3,74,778-00
CGST = Rs	66,924-00
SGST = Rs	66,924-00
IT = Rs	74,956-00
LC = Rs	74,956-00
CBF = Rs	74,956-00
Royalty =Rs	1,29,754-00
T.D. = Rs	795,787-00
Net Amt=Rs	66,99,763-00

I + II + III part BR NO 29 4-2-2021

Asst Executive Engineer
Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Contractor's Signature

Received Rs ..... (in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2

Dated.....

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore
Signature of Contractor

(For use in the Office)

Audited & Admitted for Rs. 74,95,550-00
Seventy four lakh ninety five thousand five hundred fifty -
66,99,763-00 by Cheque
and Rs. 795,787-00 by adjustment

Accts Supdt
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP

Paid by me by cheque No ..... Dated .....

Cash Rs ..... Dated .....

Initials of Officer Making Payment

Name of Work: Asphalting to roads at Chowdappa layout , Maruthi Layout, Hillside Medows and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division

ABSTRACT - R.A BILL No.02

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	758.11	211.79	160560.00	624.80	132326.00	133.31	211.79	28234.00	758.11	160560.00
2	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour, HOM complete as per the specification	Cum	113.72	4479.56	509400.00	93.72	419824.00	19.84	4479.56	88857.00	113.56	508681.00
3	Providing and laying plain/reinforced cement concrete for side drains wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs with 29mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregate at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.	Cum	233.83	7070.20	1653223.00	195.96	1385476.00	37.33	7070.20	263960.00	233.29	1649436.00
4	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	Ton	13.36	72326.98	966288.00	11.07	800660.00	2.29	72326.98	165482.00	13.36	966142.00
5	Supplying and fixing precast reinforced concrete slab 10cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges , labour charges inclusive of cost of cost of all materials (data Rate enclosed)	Sqm	585.00	2337.00	1367145.00	506.70	1184158.00	77.94	2337.00	182146.00	584.64	1366304.00
6	Providing and fixing pre cast solid concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete.	Nos	1499.00	477.00	715023.00	1262.00	601974.00	237.00	477.00	113049.00	1499.00	715023.00
7	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per	Sqm	269.32	84.80	22838.00	227.20	19267.00	42.09	84.80	3569.00	269.29	22836.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
8	KSRRB M300-14. Excavation for Road Way in Hard rock by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per	Cum	2906.81	43.46	126330.00			2901.27	43.46	126089.00	2901.27	126089.00
9	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface ressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications.	Sqm	0.00	41.34	0.00			0.00	41.34	0.00	0.00	0.00
10	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.	Sqm	7267.02	6.36	46218.00			7248.61	6.36	46101.00	7248.61	46101.00
11	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.	Cum	944.71	1855.00	1752441.00			942.32	1855.00	1748002.00	942.32	1748002.00
12	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	1816.75	2001.28	3635833.00			1812.15	2001.28	3626625.00	1812.15	3626625.00
13	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	7267.02	33.92	246497.00				33.92	0.00	0.00	0.00
14	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	363.35	7428.48	2699144.00				7428.48	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
15	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per	Sqm	7267.02	5.30	38515.00				5.30	0.00	0.00	0.00
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete	Sqm	7267.02	12.72	92436.00				12.72	0.00	0.00	0.00
17	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	290.68	8831.92	2567268.00				8831.92	0.00	0.00	0.00
18	KSRRB M800-13 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	215.93	454.74	98192.00				454.74	0.00	0.00	0.00
	EIRL											
E1	Supplying and fixing precast reinforced concrete slab 10cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges , labour charges inclusive of cost of cost of all materials (data Rate enclosed)	Sqm	12.84	5418.00	69567.00			12.84	5418.00	69567.00	12.84	69567.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
E2	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos	355.00	357.22	126813.00			0.00	357.22	0.00	0.00	0.00
	Total				16893731.00		4543685.00			6461681.00		11005366.00
	GST 12%				2027248.00		545242.00			775402.00		1320644.00
	4% KRIDL				675749.00		181747.00			258467.00		440215.00
	Grand Total				19596728.00		5270674.00			7495550.00		12766225.00

Assistant Engineer
Yelahanka / Vishwanthapura Sub Division,
KRIDL, BBMP, Bangalore

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

SHRIYA CONSULTANCY & CONSTRUCTION Consultant

Assistant Engineer

Executive Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ/ವಿಶ್ವನಾಥಪುರ ಉಪವಿಭಾಗ.
ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

12/2/2021.